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By: August Hochrainer
From: ETZ-A V.77(1956):302-308 (7 pp)

German - not for sale

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(Physics--Electricity, TT, v. 9, no. 9)

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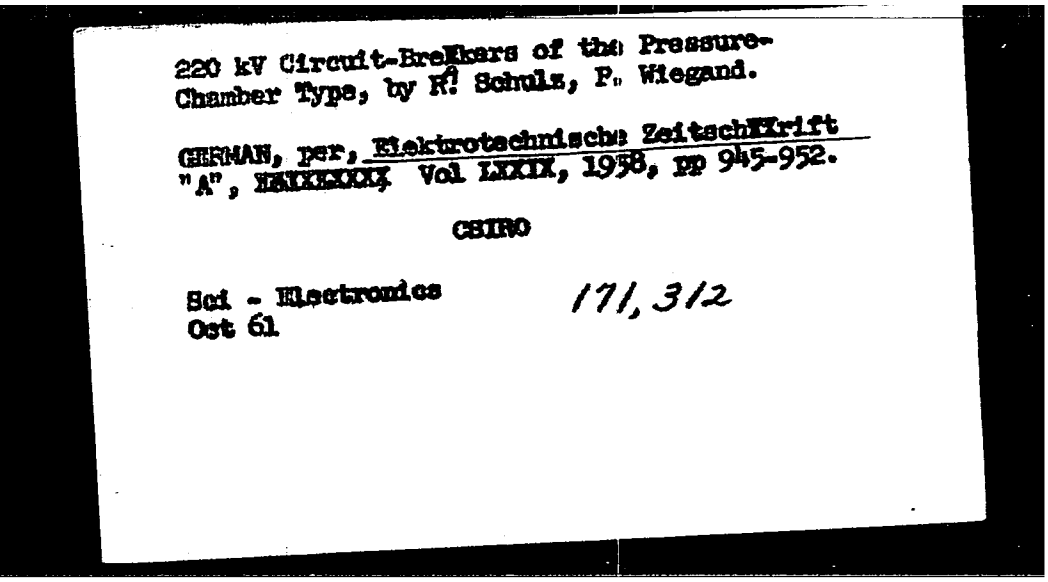

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Sci - Electron
Jun 62

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

Dielectric Losses by Ionic Conduction H in a Laminated Dielectric, by W. Held, K. Wenzel.

GERMAN, per, Elektrotechnische Z., Vol LXXXI, No 4, 1960, pp 121-127.

CSIRO

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Aug 62

207,358

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

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EXCITATION AND CONTROL OF LARGE SYNCHRONOUS MACHINES WITH CURRENT RECTIFIERS, BY K. P. HAANANN.

GERMAN, PER, ELEKTROTECHNISCHE Z, 25 APR 1960, AUSGABE A, PP 317-323.

BISI 2403

SCI - ENGR

NOV 61

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

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The Magnetic Noise of Three-Phase Core Transformers, by H. Jordan.

GERMAN, per, Elektrotechnische Zeitschrift, Vol LXXXI, 1960, pp 97-101.

CSIRO

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Jun 62

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On the Dimensioning and Design of DC Magnets for Contactors, by A. Erk.

GERMAN, per, Elektrotechnische Z., Vol LXXXI, No 10, 1960, pp 361-365.

GB/8X5

Sci
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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

Operational Behaviour of Capacitive Voltage Transformers, by Rudolf Zahorka, 15 pp.

GERMAN, per, Elektrotechnische Zeitschrift, Vol LXXXI, No 11, 23 May 1960, pp 361-365.

CSIR 109

183,568

Sci - Elec

Mar 62

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

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Control and Regulation of Modern Blooming Trains, by K. Giesdorf.

GERMAN, per, Elektrotechnische Z, Vol LXXXI, No 20/21, 1960, pp 722-729.

BISI 2361

Sci - Engr

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Response Sensitivity of Earth Leakage Circuit Breakers, by A. Kemmer.

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NZDIA

Sci-[redacted]Engr
Jun 63

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Windage Noise in Electric Machines, by H. Rentzsch.
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No 24, 1961, pp 792-798.
[redacted]
GB/153/624

Sci - Engr

Apr 64

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

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Effect of Flow Phenomena on Arc Migration in Narrow Gaps, by H. G. Schutte.

GERMAN, per, Elektrotechnische Z, Vol LXXXIII, 1 Jan 1962, pp 16-23.

BISI 2744

Scin- Engr

Jul 62

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

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Design and Construction of Earthing Installations, by G. Hosemann.

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NZDIA

Sci-Engr
July 63

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

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A.c. Measurement of the Dielectric Leakages and Capacities of Multi-Core Cable, by K. W. Wagner.

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*AERE Harwell 1905

Sci-Phys

Sep 63

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

The Arc-Plasma Burner. A New Form of High-Temperature Heat Source, by F. Wendler, 10 pp.

GERMAN, per, Elektrotechnische Zeit, Vol LXXXIIIA, 1962, pp 773-776.

AERE-Harwell-Tr-931

Sci - Engr

Aug 63

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

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Electric Power Production and Consumption in the United Arab Republic of Egypt, by Wolfgang Rose, 30 pp.

GERMAN, per, Elektrotechnische Zeitschrift, Vol LXXXIV, 1963, pp 10-14. (Call No Uncataloged Eng Tr)

Army Map Service

Sci - Engr
ME - United Arab Republic,
Egypt
Econ
Jun 63

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

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Enameled Wires with Insulations Based on Imides and Esterimides, by K. Schmidt, et al.
GERMAN, per, Elektrotechnische-Zeitschrift.
Vol 15, 1963, pp 603-607.
NTC 71-14646-11C

Feb 72

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

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Peak Voltage Measuring Equipment with Improved Measuring Accuracy and Digital Indication, by Wolfram Boeck, 10 pp. GERMAN, per, NTE (Electrotechnische Zeitschrift), Vol 84a, No 20, 1963, pp 883-886. FLA TT-65-10201

338,814

Sci
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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

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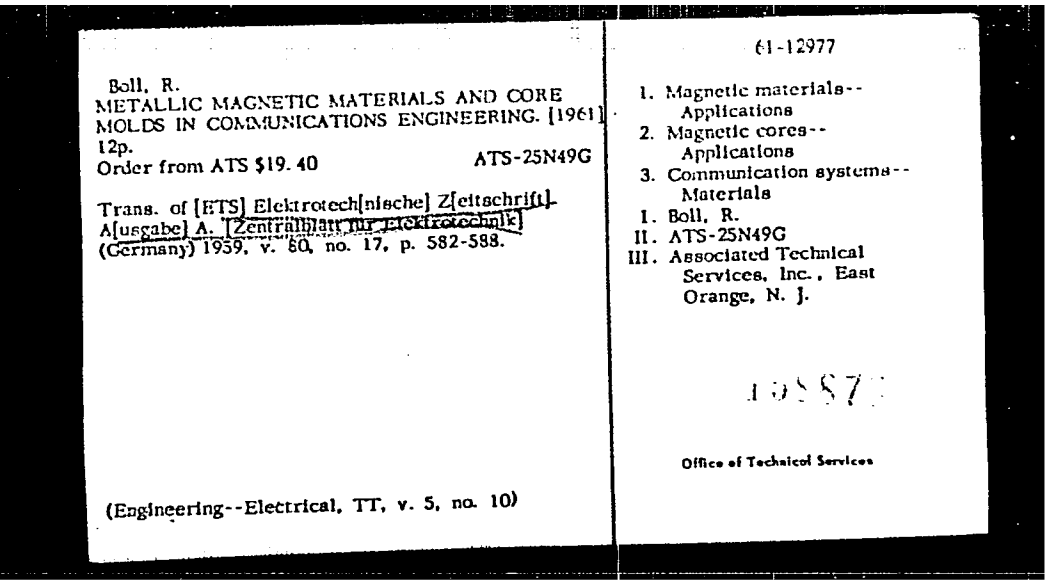

Boll, R.
METALLIC MAGNETIC MATERIALS AND CORE MOLDS IN COMMUNICATIONS ENGINEERING. [1961]
12p.
Order from ATS $19.40 ATS-25N49G

Trans. of [ETS] Elektrotech[nische] Z[eitschrift]-A[usgabe] A. [Zentralblatt fur Elektrotechnik] (Germany) 1959, v. 80, no. 17, p. 582-588.

(Engineering--Electrical, TT, v. 5, no. 10)

61-12977

1. Magnetic materials--Applications
2. Magnetic cores--Applications
3. Communication systems--Materials
I. Boll, R.
II. ATS-25N49G
III. Associated Technical Services, Inc., East Orange, N. J.

10587

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

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Directional Dependence of Magnetic Properties in Electrical Sheet and Its Measurement, by J. Ruess.

GERMAN, per, Elektro-technische Z - A, Vol LXXX, 1 Sep 1959, pp 588-593.

AB/41/B-155
BISI 2155

Sci - Phys

168, 485

Sep 61

list 109

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

Measurement in Electric Sheet in the Laboratory and in Production, by W. Krug.

GERMAN, per, Elektrotechnische Z-A, Vol LXXI, 1 Sep 1959, pp 593-599.

BIBI 2146

Sci - Phys

Sep 61

List 110

16 F, 461

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

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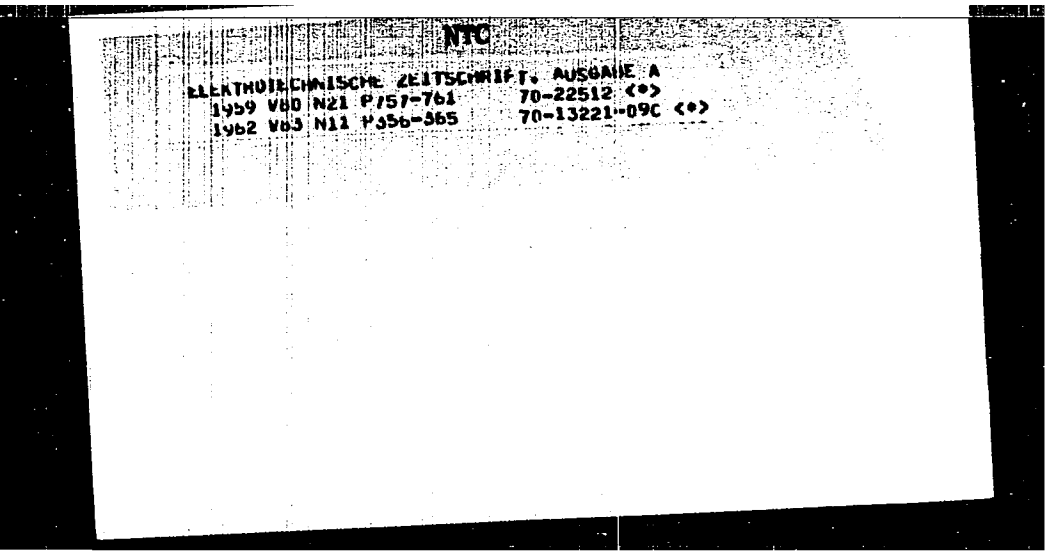

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NIPR AS-101 66-14(h) R-6252-D
18 Nov 65

Lichtbogenwanderung an runden Staben
By: Vonissat Gemane
From: ETZ-A V. 81(1960: 132-139 (8 pp)

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

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Tetrode Television Transmitters for Band IV/V,
by Ulrich Finkbein, Johannes Holle, 17 pp.

GERMAN, per, Elektrotechnische Zeitschrift-A,
Vol LXXXI, No 9, 1960, pp 332-338. 9201838

AEC HP-Tr-927

Sci - Electron
21 Feb 1963

926,586

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

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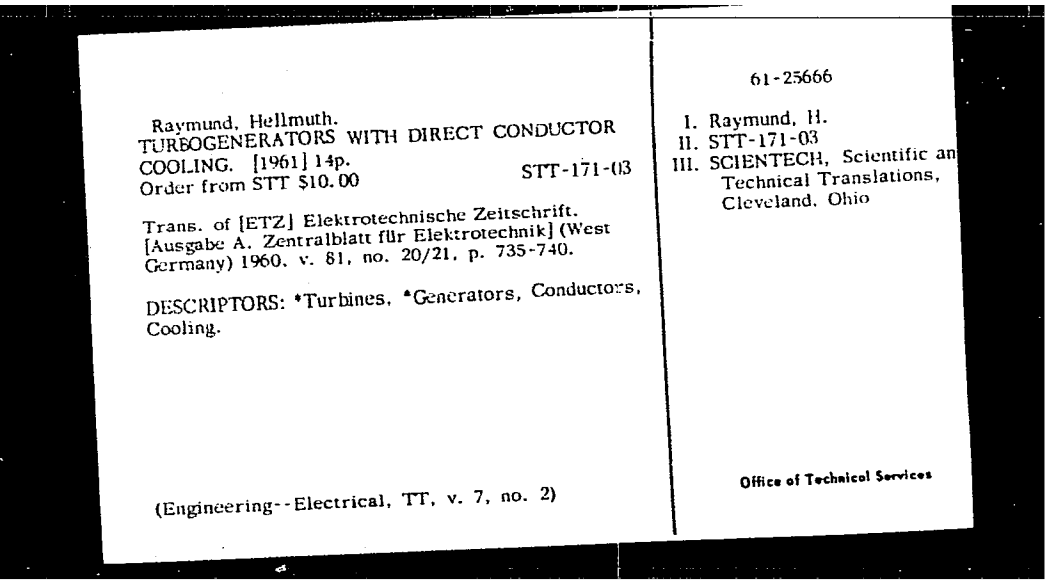

Raymund, Hellmuth.
TURBOGENERATORS WITH DIRECT CONDUCTOR COOLING. [1961] 14p.
Order from STT $10.00 STT-171-03

Trans. of [ETZ] Elektrotechnische Zeitschrift. [Ausgabe A, Zentralblatt für Elektrotechnik] (West Germany) 1960, v. 81, no. 20/21, p. 735-740.

DESCRIPTORS: *Turbines, *Generators, Conductors, Cooling.

(Engineering--Electrical, TT, v. 7, no. 2)

61-25666

I. Raymund, H.
II. STT-171-03
III. SCIENTECH, Scientific an Technical Translations, Cleveland, Ohio

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

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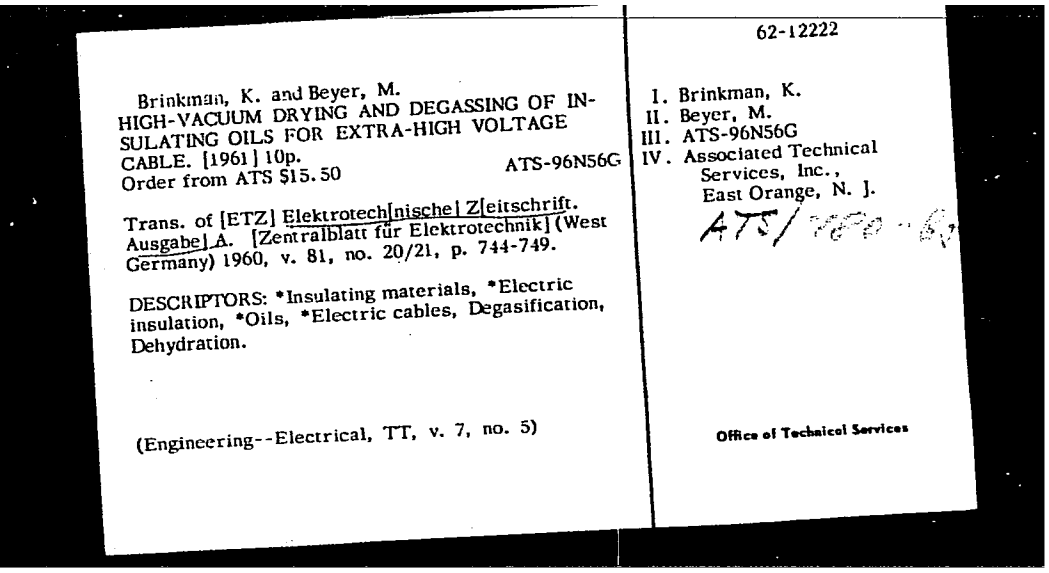

62-12222

Brinkman, K. and Beyer, M.
HIGH-VACUUM DRYING AND DEGASSING OF INSULATING OILS FOR EXTRA-HIGH VOLTAGE CABLE. [1961] 10p.
Order from ATS $15.50 ATS-96N56G

Trans. of [ETZ] Elektrotech[nische] Z[eitschrift. Ausgabe] A. [Zentralblatt für Elektrotechnik] (West Germany) 1960, v. 81, no. 20/21, p. 744-749.

DESCRIPTORS: *Insulating materials, *Electric insulation, *Oils, *Electric cables, Degasification, Dehydration.

(Engineering--Electrical, TT, v. 7, no. 5)

I. Brinkman, K.
II. Beyer, M.
III. ATS-96N56G
IV. Associated Technical Services, Inc., East Orange, N. J.

ATS/ [illegible]

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

Widmann, W.
MEASURING AND INTERPRETATION OF CORONA IN INSULATION TESTING. 18 Jul 61, 18p. (16 figs. omitted) 6 refs.
Order from SLA $1.60 61-18629

Trans. of ETZ [Elektrotechnische Zeitschrift. Ausgabe] A (West Germany) 1960, v. 81, no. 23, p. 801-807.

DESCRIPTORS: *Electrical corona, Measurement, Tests, *Insulating materials, Test methods.

(Engineering--Electrical, TT, v. 6, no. 9)

61-18629

I. Widmann, W.

185460

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

Transient Phenomena and Attentuation in Rectifiers, by R. Bichara.
GERMAN, per, Elektrotechnische Zeitschrift 'A', Vol 81, 19 December 1960, pp 937-944.
CEGB Trans 25658
STT-154-161

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

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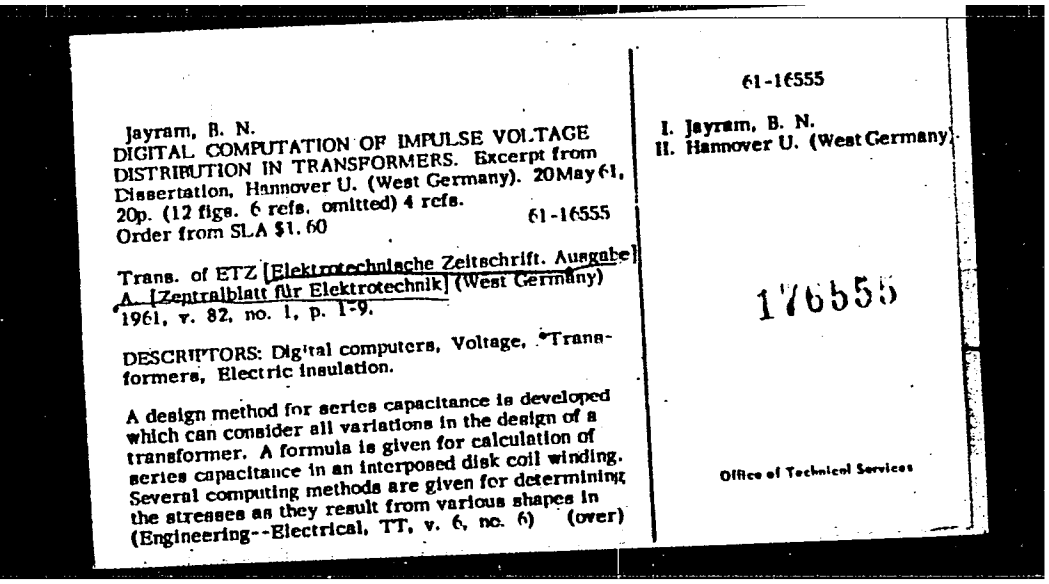

Jayram, B. N.
DIGITAL COMPUTATION OF IMPULSE VOLTAGE DISTRIBUTION IN TRANSFORMERS. Excerpt from Dissertation, Hannover U. (West Germany). 20 May 61, 20p. (12 figs. 6 refs. omitted) 4 refs.
Order from SLA $1.60 61-16555

Trans. of ETZ [Elektrotechnische Zeitschrift. Ausgabe] A. [Zentralblatt für Elektrotechnik] (West Germany) 1961, v. 82, no. 1, p. 1-9.

DESCRIPTORS: Digital computers, Voltage, *Transformers, Electric insulation.

A design method for series capacitance is developed which can consider all variations in the design of a transformer. A formula is given for calculation of series capacitance in an interposed disk coil winding. Several computing methods are given for determining the stresses as they result from various shapes in (Engineering--Electrical, TT, v. 6, no. 6) (over)

61-16555

I. Jayram, B. N.
II. Hannover U. (West Germany)

176555

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

The Most Favorable Layout of Cooling Channels in Electrical Machines, by J. Hak.
GERMAN, per, Elektrotech Z, A, Vol LXXXII, No 15, 1961, pp 475-480. 9231866
AEC-UCRL-Tr-1267-L

Sci - Elec
Feb 66

295,458

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

Wiessner, W.
SPECIAL VARIABLE CAPACITOR FOR MEASURING VERY SMALL CAPACITANCES. [1962] 24p. 18 refs. Order from SLA $2.60 62-20385

Trans. of [ETZ] Elektrotechnische Zeitschrift. [Ausgabe] A. [Zentralblatt für Elektrotechnik] (West Germany) 1961, v. 82, no. 19, p. 605-609.

DESCRIPTORS: *Capacitance, Measurement, Measuring devices (Electrical and Electronic), *Variable capacitors, Design, Construction

This paper describes a narrow range, variable capacitance air capacitor operated by a slow motion vernier drive mechanisms. These features permit measuring very small capacitances by the direct substitution method. The outstanding features of the present design is the use of a floating rotor. Various disadvantages of earlier designs have been eliminated. In its present (Engineering--Electronic, TT, v. 10, no. 1) (over)

62-20385

I. Wiessner, W.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

O. Loh

AC arc behaviour on low voltage switches
GERMAN, per, Elektrotechnische Zeitschrift A, Vol 82,
6 Nov 1961, pp 748-753
SID trans 26383

july 72

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

Strigel, R. and Winkelnkemper, H.
BREAKDOWN STRENGTH OF OIL AND OIL-PAPER INSULATION WHEN SUPER-SATURATED WITH AIR.
[1962] 11p. (13 figs. omitted) 4 refs.
Order from SLA $1.60 62-14736

Trans. of ETZ [Elektrotechnische Zeitschrift. Ausgabe] A. [Zentralblatt für Elektrotechnik] (West Germany) 1961 [v. 82, no. 26] p. 833-[838].

DESCRIPTORS: *Electric insulation, *Insulating materials, Oils, Paper, Supersaturation, Air, Gases, Absorption, Voltage.

Experiments showed that breakdown strength in electrical devices having gas cushions is impaired by super-saturated oil. In divergent fields, when breakdown is initiated by corona discharges, there is no reduction but rather a slight increase in breakdown (Engineering--Electrical, TT, v. 8, no. 3) (over)

62-14736

I. Strigel, R.
II. Winkelnkemper, H.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

Concerning the Problem of "Fremdschicht"-flashover, by Essam Nasser,
GERMAN, per, Electrotechnische Zeitschfirt-A, Vol 83, No 11, 5 May 1962.
Dept. Int. Lib.
ACS E57 No. 123

Sci/Electronics
Aug 65

2887001

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

CEA-tr-A-1471 Uncl.

L'INFLUENCE DES RAYONS RADIOACTIFS ET DE CHARGES SPATIALES SUR LA TRAJECTOIRE DE LA FOUDRE. (The Influence of Radioactive Radiation and of Space Charge on the Trajectory of Lightning). Dietrich Mueller-Hillebrand (France. Commissariat à l'Energie Atomique. Centre d'Etudes Nucléaires, Saclay). Translated into French by M. Makarius from Elektrotech. Z., A, 83: 152-7(1962). 25p. (Includes original, 6p.).

Physics; Translations MN-34

C-34 NP NSA Dep.(mf); $2.60(fs), $0.95(mf)
N-5 JCL

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

R-247-D

MIPR AS-101, 66-14(c) 18 Nov 65

Kurzschlußlichtbogen in Hochspannungsschaltanlagen
By: August Hochrainer
From: ETZ-A V.83 (1962):202-206 (5 pp)

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EE pp: Bill No:

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

A Continuously Functioning Digital Speed-regulator, by W. Leonhard, H. Mueller. GERMAN, per. Elektrotechnische Zeit, Ausgabe A. Zentralblatt fuer Elektrotechnik, Vol 83, No 12, 1962, pp 381-387.
NTC-69-13280-09C

Sci-Elec
Sept 69

392,757

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

Performance of Insulators With an Unevenly Distributed Contaminating film, E. Nasser. GERMAN,per, Elektrotechnische Z. Ser. A, Vol 84, No 11, 1963, pp 353-357.
SEC

Sci -
Jul 67

333,716

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

TT-65-13650 Field 9B

Federzani, T.
ELECTRONIC DATA PROCESSING AND INFORMATION TECHNOLOGY. 23p.
Order from SLA: $2.60 as TT-65-13650

Trans. of ETZ Elektrotechnische Zeitschrift Ausgabe A. Zentralblatt fuer Elektrotechnik (West Germany) v84a n13 p436-41 1963.

MR 662

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

KIPR AS-101 66-14(g) R-6251-D
18 Nov 65

Uber das Verhalten der Anastapunkte von Hochstrom-Schaltlichtbogen
By: Heinz Pohling
From: ETZ-A B. 84, 1963 pp 499-503 (5 pp)

German -ept for us:

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

The Accelerator Magnet of the German Electron-Synchrotron (DESY) by Werner Hardt.
GERMAN, per, Elektrotechnische Zeit
Part A, Vol LXXXIV, 1963, pp 892-897.
AEC UCRL-Tr 1312

Sci-Elect
Feb 66 296,064

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

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Tesla Transformers, by Werner Heise. 22 pp.
GERMAN, per, ETZ Elektrotechnische Zeitschrift, Ausgabe A, Vol 85, No 1, 1964, pp 1-8.
AIR/FTD-HT-23-972-71

Feb 72

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

The Long-Term Behaviour of Electrical Insulating Materials Under Therman Stress, by K. Potthoff
GERMAN, per, ETZ-B, Vol. 85, pp. 449-451 (24 July 1964)
E.S.B./Trans.-418

FEB 71

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

Single-Pole Switching of On-Load and No Load Currents in High Voltage Distribution Systems, by H.G.Schutte GERMAN, per Elektro-tech Z. Vol. 85A, No. 16, 1964 pp 490-495 GB 153/1408

Sci - Aug 67

339-372

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

Interference with Carrier Frequency Telecommunications Systems by High Frequency Sources, by E. Schulz. W. Vogel.
GERMAN, per Elektro-tech.Z. Vol. 85, No. 20, 1964, pp 658-666
GB 54/2226

Sci -
Aug 67

339-540

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3

Measurement of Dielectric Losses With the A.C. Bridge, by K. W. Wagner, 8 pp.
GERMAN, per, Elektrotechnische Zeitxxschrift, No 32, 1911, pp 1001, 1002.
AEC-NP-Tr-1117

Sci-Phys
Jun 64

260,954

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170020-3